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30 November 1966

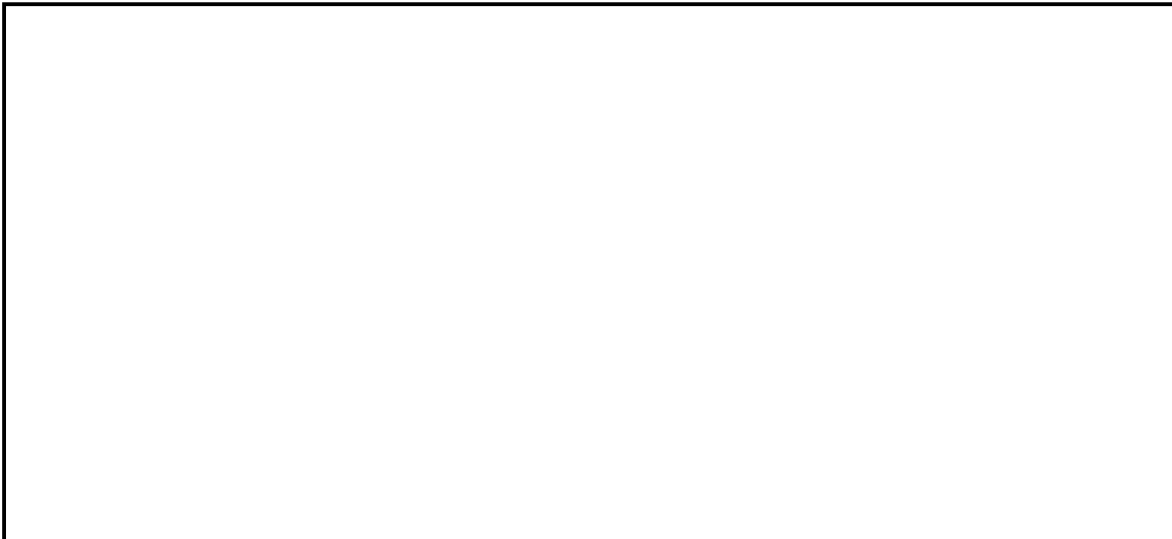
MEMORANDUM FOR: Chief, Development Staff, TDS

THROUGH : Chief, Support Systems Branch

SUBJECT : Evaluation of Color Film/Print Dyer Study Proposals

1. In October of 1966 NPIC solicited nine corporations for proposals to perform a Color Sheet Film and Paper Dyer Study. One month's time was allotted for preparation of the proposals.

2. From the nine corporations solicited, five have responded with proposals. The proposals received are as follows:



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3. Of the five proposals received, [redacted] has presented a program that indicates a thorough understanding of the problems as outlined in the Development Objectives. Their approach to the program is systematic and methodical. The proposal shows an awareness of present state-of-the-art developments in the field of film drying. No great effort will be spent on investigating drying techniques that are now commonly being used in commercial drying equipment. The techniques to be investigated under their proposal include the basic categories of conduction, convection, radiation and chemical extraction or dehydration.

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In the area of radiation, [] is thoroughly aware of the two microwave drying techniques presently under research by [] research organization. Both of these techniques will be included in the study for the application in drying cut sheet color materials.

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Under chemical extraction, [] has presented an interesting technique that appears to have simple and practical applications in the areas of film and paper drying. This technique involves wax extraction drying using Carbowax. [] is presently utilizing this technique for rapid drying of their Poromat material. There is a strong indication that this technique could successfully be applied in the rapid, quality drying of color sheet materials.

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8. Copies of all the proposals have been submitted to PSD/PLB for their comments, and a reply was requested by 15 November 1966. As of this date there has been no reply.

9. I recommend that we award the Color Film/Paper Dryer Study contract to [redacted] for their completeness of ideas and thorough understanding of the program as presented in the Development Objective.

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There is a secondary alternative to the above recommendation. That is, to allow [redacted] to submit new proposal considering only color film drying techniques and allow [redacted] to submit a proposal on the design and development of a color paper dryer only. However, I would prefer to allow [redacted] to investigate all the techniques, as proposed, for both sheet color film and paper materials. At the conclusion of the investigation we can always ask [redacted] for a proposal on a color paper print dryer if [redacted] investigation of advanced drying techniques does not point to a more practical method of drying color prints.

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[redacted]
Support Systems Branch, DS

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Distribution:

Orig + 1 - Addressee
2 - SSB/DS

NPIC/TDS/DS [redacted] (30 Nov 66)

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